INDEX TO VOLUME 46

Author Index

A

Abernathy, C. S. 29
Achord, s. 206
Ahmad, Z. 43
Allard, L. 254
Amend, D. F. 6

B

Bender, T. R. 51
Bice, T. O. 106
Bills, T. D. 1
Black, D. J. 185
Blumer, L. S. 152
Bouck, G. R. 139
Bowling, C. W. 55
Boyd, C. E. 36, 195
Brown, C. L. 142
Buck, D. H. 230
Burton, G. L. 211

C

Canton, S. P. 57
Carmichael, G. J. 111
Chadwick, J. W. 57
Collins, C. M. 211
Courtenay, W. H. 216
Couturier, C. Y. 239
Crossman, E. J. 159
Crowther, J. R. 1

D

Dalziel, F. C. 98
Degani, G. 191
del Norte, A. C. 67
Devereaux, T. 239
Dizon, A. E. 288
Dorr III, J. A. 219
Dunham, R. A. 106

E

Ednoff, M. 41
Ellis, R. W. 116

F

Farquhar, B. W. 209
Flath, L. E. 219
Floyd, K. B. 216
Freeman, D. W. 126
French, B. 41

G

Gallagher, M. L. 157
Geiger, J. G. 55, 209
Genoway, R. G. 29
Glova, G. J. 269
Goeman, T. J. 147, 279
Gorden, R. W. 230
Grizzle, J. M. 195

H

Hagood, R. W. 225
Harrell, R. M. 75
Harvey, W. D. 87
Haynes, C. M. 59
Hermes, R. 67
Hollerman, W. D. 36
Horn, J. L. 106
Hoskins, G. E. 98
Hoyt, R. D. 216

K

Kaya, C. M. 288
Kindschi, G. A. 44
Kolb, R. G. 221
Kremmel, J. R. 51

L

Layher, W. G. 180
Lemly, A. D. 154
Levanon, D. 191
Limsuwan, T. 165
Lovell, R. T. 165, 245

M

Marking, L. L. 1
Marks, J. E. 87
Matthews, G. M. 206
Maughan, O. E. 180
McClure, R. E. 141
McDowell, T. 6
McGeachin, R. B. 20, 102
McGee, M. V. 195
Meehan, W. R. 62
Meyers, S. P. 225
Mgbenka, B. O. 245
Mudrak, V. A. 51
Muncy, R. J. 53
Murad, A. 43
Murnyak, D. F. 133
Murnyak, M. O. 133
Murray, C. A. 176
Mustafa, S. 43
Muth, R. T. 59

N

Navaluna, N. N. 67
Neill, W. H. 87
Noble, R. L. 87

O

Olivier, L. S. 205

INDEX TO VOLUME 46

Author Index

A

Abernathy, C. S. 29
Achord, s. 206
Ahmad, Z. 43
Allard, L. 254
Amend, D. F. 6

B

Bender, T. R. 51
Bice, T. O. 106
Bills, T. D. 1
Black, D. J. 185
Blumer, L. S. 152
Bouck, G. R. 139
Bowling, C. W. 55
Boyd, C. E. 36, 195
Brown, C. L. 142
Buck, D. H. 230
Burton, G. L. 211

C

Canton, S. P. 57
Carmichael, G. J. 111
Chadwick, J. W. 57
Collins, C. M. 211
Courtenay, W. H. 216
Couturier, C. Y. 239
Crossman, E. J. 159
Crowther, J. R. 1

D

Dalziel, F. C. 98
Degani, G. 191
del Norte, A. C. 67
Devereaux, T. 239
Dizon, A. E. 288
Dorr III, J. A. 219
Dunham, R. A. 106

E

Ednoff, M. 41
Ellis, R. W. 116

F

Farquhar, B. W. 209
Flath, L. E. 219
Floyd, K. B. 216
Freeman, D. W. 126
French, B. 41

G

Gallagher, M. L. 157
Geiger, J. G. 55, 209
Genoway, R. G. 29
Glova, G. J. 269
Goeman, T. J. 147, 279
Gorden, R. W. 230
Grizzle, J. M. 195

H

Hagood, R. W. 225
Harrell, R. M. 75
Harvey, W. D. 87
Haynes, C. M. 59
Hermes, R. 67
Hollerman, W. D. 36
Horn, J. L. 106
Hoskins, G. E. 98
Hoyt, R. D. 216

K

Kaya, C. M. 288
Kindschi, G. A. 44
Kolb, R. G. 221
Kremmel, J. R. 51

L

Layher, W. G. 180
Lemly, A. D. 154
Levanon, D. 191
Limsuwan, T. 165
Lovell, R. T. 165, 245

M

Marking, L. L. 1
Marks, J. E. 87
Matthews, G. M. 206
Maughan, O. E. 180
McClure, R. E. 141
McDowell, T. 6
McGeachin, R. B. 20, 102
McGee, M. V. 195
Meehan, W. R. 62
Meyers, S. P. 225
Mgbenka, B. O. 245
Mudrak, V. A. 51
Muncy, R. J. 53
Murad, A. 43
Murnyak, D. F. 133
Murnyak, M. O. 133
Murray, C. A. 176
Mustafa, S. 43
Muth, R. T. 59

N

Navaluna, N. N. 67
Neill, W. H. 87
Noble, R. L. 87

O

Olivier, L. S. 205

P

Petrimoulx, H. J. 120
Plumb, J. A. 36
Poe, W. E. 126
Policansky, D. 13
Poston, T. M. 29

Q

Queenth, M. K. K. 288

R

Rawles, S. D. 92
Ray, M. C. 283
Reinitz, G. 161, 249
Ribelin, B. 47
Rice, T. 230
Robinson, E. H. 92
Rosen, R. A. 293
Ross, R. M. 151
Rutledge, W. P. 55

S

Saeed, M. 36
Salinger, M. A. 205
Schlieder, R. A. 285
Schramm, H. L. 41, 185
Schweinforth, R. L. 211
Scott, K. R. 254
Selsby, J. R. 148
Sieswerda, P. 13
Skalsky, J. R. 29
Smith, J. R. 206
Smith, R. R. 116
Smith, T. I. J. 47
Smitherman, R. O. 106
Soderberg, R. W. 195
Stickney, R. R. 20, 79, 92, 102
Strand, J. A. 29
Sutterlin, A. M. 239

T

Tave, D. 145, 262
Tave, K. B. 145
Tazik, P. P. 230
Thiel, J. C. 147
Trippel, E. A. 159
Tucker, C. S. 24
Tucker, J. W. 201

V

Van Velson, R. C. 291

W

Ward, J. F. 62
Ward, S. H. 170
Watten, B. 213
Wiggins, T. A. 51
Wilson, R. P. 126
Winfree, R. A. 79
Wingo, W. M. 53
Wolgast, L. J. 133

Z

Ziebell, C. D. 176
Zofair, S. M. 43

Subject Index

Abernathy dry diet, 44
Age determination, 141
Algal cultures, 13
Alosa sapidissima, 51
Ambloplites cavifrons, 120
Ambloplites rupestris, 120
Ammonia, 195
Anguilla anguilla, 191
Anguilla rostrata, 157
Antimycin, 1

Bacterial gill disease, 223
Bass, Largemouth:
  biopsy technique, liver, 87
  blood, 111
  ponds, 55
  spawning, 87
  stress, 111
  transportation, 111
Bass, Roanoke, 120
Bass, Rock, 120
Bass, Striped:
  book review, 293
  food, 283
  hybrid, 75
  tank spawning, 75
Benthic box, 154
Benthic sampler, 57
Benzalkonium chloride, 98
BGD *see*: bacterial gill disease
Biopsy, 87
Blood, 53, 111
Bluegill, 133
Breeding, 106, 262
Brine shrimp, 283
Bullhead, Brown, 152

Carbaryl, 1
Carp, Grass, 185
Catheterization, 151
Catfish, Channel:
  ammonia, 195
  breeding, 106
  channel catfish virus disease, 6
  depredation, 41
  diet, 79, 92, 245
  feed, 126
  feeding, 20, 245
  gills, 195
  growth, 20, 79, 126
  histology, 195
  kidney, 195
  liver, 195
  production, 106
  serum neutralization tests, 6
  spawning, 106
  water quality, 36
CCVD *see*: Channel Catfish virus disease
Centropomus undecimalis, 285
Centropristis striata, 201
Channel Catfish virus disease, 6
Chemical sensitivity, 1
Chloramine-T, 223
Chlorine, 1
Columnaris, 223
Commercial bacterial suspension, 36
Cooling water intake, 279
Copper sulfate, 1
Crustacean culture, 225
Ctenopharyngodon idella, 185, 231

Diet, 1, 79, 92, 102, 116, 225, 245, 249, 269
Digital integrator, daylight, 62
Diquat, 223

Eggs, 51
Elvers:
  containers, 191
  food, 191
  growth, 191
  screens, 157
  size separation, 157
  survival, 191
Euthynnus affinis, 288
Euthynnus pelamis, 288

Fat, 165, 249
Feed, 44, 126, 165, 191
Feeders, 211
Feeding, 20, 126, 133, 161, 170, 245
Flatfish, 13
Florida Double-crested Cormorants, 41
Flounder, Starry, 13
Formalin, 1, 223, 297
Frog, 43

Gas-bubble disease, 139
Gas supersaturation, 139
Gill, 195
Gill disease, 98, 223
Gonadotropins, 43
Growth, 20, 79, 102, 126, 133, 191, 239

Hapa, 145
Hatchery construction, 283
Hess sampler, modified, 57
Heteropneustes fossilis, 43
Histology, 195
Hypophthalmichthys molitrix, 231

Ichthyoplankton sampler, 67
Ictalurus nebulosus, 152
Ictalurus punctatus, 6, 20, 36, 41, 79, 92, 106, 126, 195, 245
INAD *see*: Investigational New Animal Drug
Investigational New Animal Drug, 223, 297

Kidney, 195, 249
KUG (modified), 142

Lake, 213, 291
Lepomis macrochirus, 133
Lipids, 102, 116
Liver, 87, 195

Macrobrachium rosenbergii, 225, 231
Malachite green, 223, 297
Malathion, 1

Marine fish:
capturing, 288
holding, 285
restraining, 288
Metabolic chamber, 116
Micropterus salmoides, 55, 87, 111
Morone chrysops, 75
Morone saxatilis, 75, 293
Mortality, 176, 279
MS-222, 185
Mycteroperca microlepis, 285
Mysidopsis bahia, 170
Mysids, 170

NADA *see*: New Animal Drug Application
NAS-Formalin-F, 223
Net, 221
New Animal Drug Application, 223
New England Aquarium, 13
Noxfish, 1

Oncorhynchus kisutch, 269
Oncorhynchus tschawytscha, 98
Oregon moist pellets, 44
Ozone, 239

Pacific salmon, 206
Panaeus vannamei, 47
PDI *see*: Protein Dispersibility Index
Pens, 29
Permethrin, 1
pH, 176
Platichthys stellatus, 13
Polyculture, 230
Ponds, 24, 55, 133, 209, 213
Population, 262, 269
Potassium permanganate, 24
Primacord, 180
Production, 44, 106
Protein, 79, 126, 161, 249
Protein Dispersibility Index, 161

Quinaldine, 185

Raceways, 211
Radio transmitter, 185
Recirculation system, 239, 254
River, 59, 213
Rotenone, 180
Rotifers, 13
Ryegrass, 55

Salicylanilide, 1
Salmo clarkii, 269
Salmo gairdneri, 1, 29, 44, 116, 176, 195, 249, 254
Salmo salar, 239
Salmo trutta, 161
Salmon, Atlantic, 239
Salmon, Chinook, 98
Salmon, Coho, 269
Sampling:
above-substrate, 142
aquatic organisms, 219
blood, 53
entrainment, 147
quantitative, 154
shallow water, 154
stream, 57, 180
substrate, 154
subsurface, 213
zooplankton, 209
Sea Bass, Black, 201
Sea water system, 285
Serum neutralization test, 6
Shad, American, 51

Shrimp:
manipulation, 205
postlarvae, 47
shipping, 47
stocking density, 47
study, 205
survival, 47
Sodium bentonite, 249
Sodium cyanide, 1
Spawning, 43, 75, 87, 106, 120
Steelhead:
feed, 44
production, 44
transportation, 206
Stizostedion vitreum, 53
Stocking, 47, 133, 176
Stress, 111
Sulfamerazine, 297
Survival, 47, 239, 279

Tags, 152
Tanks, 20, 254, 285, 288
TFM *see*: 3-trifluoromethyl 4-nitrophenol
TFM Bar, 223
3-trifluoromethyl 4-nitrophenol, 1
Tilapia aurea, 102
Transportation, 47, 111, 206
Trap, 59, 159, 216, 291
Trout, Brown, 161
Trout, Cutthroat, 269
Trout, Rainbow:
chemical sensitivity, 1
diet, 1, 116, 249
fat, 116, 249
mortality, 176
pens, 29
pH, 176
recirculation system, 254
sodium bentonite, 249
stocking, 176
Tuna, 288
Walleye, 53
Water Quality, 239
Weir box, 147